

Title (en)
Ink jet head

Title (de)
Tintenstrahlkopf

Title (fr)
Tête à jet d'encre

Publication
EP 0608135 B1 19970806 (EN)

Application
EP 94300436 A 19940120

Priority
JP 943693 A 19930122

Abstract (en)
[origin: EP0608135A2] An ink jet head has an ink head main body that is constituted of a substrate (5), spacers (6) that are formed on one side of the substrate, and a roof plate (7) that is joined to the substrate (5) through the spacers (6). One or more ink passages (2) are independently formed between the substrate (5) and the roof plate (7). Rows of piezoelectric devices (3a), each of which is made of a plurality of piezoelectric devices (3a) aligned along an ink passage (2), are associated with the respective ink passages. Ac voltages whose phases are different from each other by 90 degrees are applied to the respective piezoelectric devices. Progressive waves, which are excited by the rows of piezoelectric devices (3a), allow ink to move through the ink passage (2) and to be sprayed. <IMAGE>

IPC 1-7
B41J 2/065

IPC 8 full level
B41J 2/045 (2006.01); **B41J 2/03** (2006.01); **B41J 2/055** (2006.01); **B41J 2/15** (2006.01)

CPC (source: EP US)
B41J 2/03 (2013.01 - EP US); **B41J 2/15** (2013.01 - EP US); **B41J 2002/14379** (2013.01 - EP US)

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Cited by
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